
Central Valley Regional Water Quality Control Board

9 January 2020

PUBLIC NOTICE

CASE CLOSURE CONSIDERATION, UNDERGROUND STORAGE TANK RELEASE, ALTA SELF-SERVE, 833 EAST MANNING AVENUE, REEDLEY, FRESNO COUNTY, RB CASE 5T10000552

To: Offsite Property Owners and Other Interested Persons

This letter is to inform interested parties of the Central Valley Regional Water Quality Control Board's (Central Valley Water Board) consideration of closing the subject case, and to request comments from interested parties regarding the proposed closure at the above listed property.

The Site was formerly a commercial fuel facility that sold petroleum products, and currently sells only propane. One 6,000-gallon and two 4,000-gallon gasoline underground storage tanks (USTs), two 4,000-gallon diesel USTs, one 1,000-gallon kerosene UST, and one 1,000-gallon waste oil UST, were removed from the Site during May 1994. Additionally, one 8,000-gallon and one 4,000-gallon gasoline USTs were removed from the Site in February 1999. Analytical results of soil samples indicated elevated concentrations of petroleum constituents in soil beneath the Site.

Multiple phases of site assessment were conducted from October 2010 through June 2013. Numerous soil borings were completed including the installation of five groundwater monitoring wells MW-1 through MW-5, and three soil vapor extraction wells VEW-1 through VEW-3.

Site investigations determined that there are two areas of impacted soil, the dispenser area northeast of the station building (East Area), and the canopy area southwest of the station building (West Area). Trace concentrations of petroleum hydrocarbons were detected in soil in the East Area, to a depth of 65 feet bgs, with the highest concentrations detected in the upper 45 feet. In the West Area, petroleum hydrocarbons were detected to a depth of 75 feet bgs, with the majority present above 50 feet bgs.

KARL E. LONGLEY ScD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

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Based on the results of the investigations, about 14,000 pounds of gasoline and 10,000 pounds of diesel were estimated to be present in soil beneath the site.

Groundwater sampling was conducted from the monitoring wells from January 2011 through May 2015, with exception of MW-2 and MW-5, due to being damaged in January 2013 and December 2013, respectively. In June 2018, damaged monitoring wells MW-2 and MW-5 were destroyed and replacement well MW-6 was installed between the two destroyed wells.

The highest petroleum constituent concentrations were detected in samples from MW-3 and VEW-1 at the source area.

From July 2018 through November 2019, groundwater samples were collected from monitoring wells MW-1, MW-3, MW-4, MW-6 and vapor extraction well VEW-1. The analytical results of groundwater samples from MW-1, MW-3, MW-4, MW-6 and VEW-1 indicated non-detect to trace concentrations of petroleum constituents.

A soil vapor extraction (SVE) pilot test was conducted at the Site between 30 March 2015 and 1 April 2015. An estimated 323 pounds of gasoline were removed from the subsurface during the pilot test.

On 26 April 2016, the First Quarter 2016 Remediation Status Report stated that approximately 5,067.71 pounds of total petroleum hydrocarbons as gasoline (TPHg) were removed and destroyed during the First Quarter 2016. The average daily destruction of TPHg was 149.43 pounds per operating day. However, the SVE system was shut down at the end of first quarter 2016 due to budget issues. Repair of the SVE system was performed and the system was restarted on 17 October 2018 until 14 November 2018. The SVE system operated a total of 28 days in the fourth quarter 2018, and approximately 350.5 pounds of TPHg were recovered and treated during the fourth quarter 2018. The average daily destruction rate for TPHg was 12.5 pounds per operating day during the fourth quarter 2018.

Shallow soil and soil-gas assessment was conducted at the Site in August 2018. Based on the soil gas analytical results, constituents of concern were at concentrations less than their respective screening levels as presented in Appendix 4, Scenario 4 (with a bio-attenuation zone) in the Policy for either residential or commercial properties. It appears that there is no potential threat to human health from hydrocarbons in soil-gas. Maximum concentrations of petroleum hydrocarbons detected in soil between 0 and 10 feet bgs were less than the health screening levels summarized in Table 1 of the Policy for residential, commercial/industrial, or utility workers.

There are no soil samples results in the case record for the poly-aromatic hydrocarbons (PAHs) near the former waste-oil UST, however petroleum constituent concentrations in shallow soil are minimal. Residual PAH concentrations in soil, if any, should be potentially minimal. Maximum concentrations of petroleum constituents in soil should have no significant risk of adversely affecting human health.

Based on data available in Geotracker, there are no public water supply wells, private domestic wells, or surface water bodies within 1,000 feet of the plume boundary. The Site is within a service area of the City of Reedley public water system.

Based on the recent and historical sampling data, the Site generally satisfies the eight general and three media- specific criteria contained in the Policy. The Site has been remediated to the extent practicable using soil vapor extraction (SVE) conducted between 2015 and 2018. The contaminant plume in groundwater appears to be stable and/or decreasing. Any remaining petroleum hydrocarbons at the Site should continue to naturally attenuate and should not adversely impact environmental quality, the beneficial uses of groundwater, or pose an unacceptable risk to human health. All technically and economically feasible cleanup has been completed.

The proposed case closure is based on the Central Valley Water Board staff's conclusion that the case satisfies the criteria contained in the Policy.

This public Notice has been transmitted to parties on the attached list , as well as posted on the [Central Valley Water Board's Public Notices web page](http://www.waterboards.ca.gov/centralvalley/public_notices/) (http://www.waterboards.ca.gov/centralvalley/public_notices/), under Public Notice, Underground Storage Tank – Decisions Pending, & Case Closures.

You may participate in the case closure process by reviewing technical reports, asking questions, and providing comments on the proposed case closure. Details of the Site assessment are also available to interested parties through the State Water Board's [GeoTracker website](http://geotracker.waterboards.ca.gov/) (<http://geotracker.waterboards.ca.gov/>).

The Central Valley Water Board case number is **5T10000552**. Information may also be reviewed at the Central Valley Water Board office at 1685 E Street, in Fresno, California.

Please submit comments regarding the proposed case closure to the Central Valley Water Board's Fresno office by **10 March 2020**.

Interested parties with questions or comments regarding the site or our proposed actions should contact the case worker, Khalid Durrani, at the above address, at (559) 445-6191 or by email Khalid.Durrani@waterboards.ca.gov.

Upon completion of the public comment period, and in the absence of substantive comment against closure being granted, Central Valley Water Board staff will proceed with the closure process for the case.

Public Notice mailed to the address list in Table 1.